

Fig. 2

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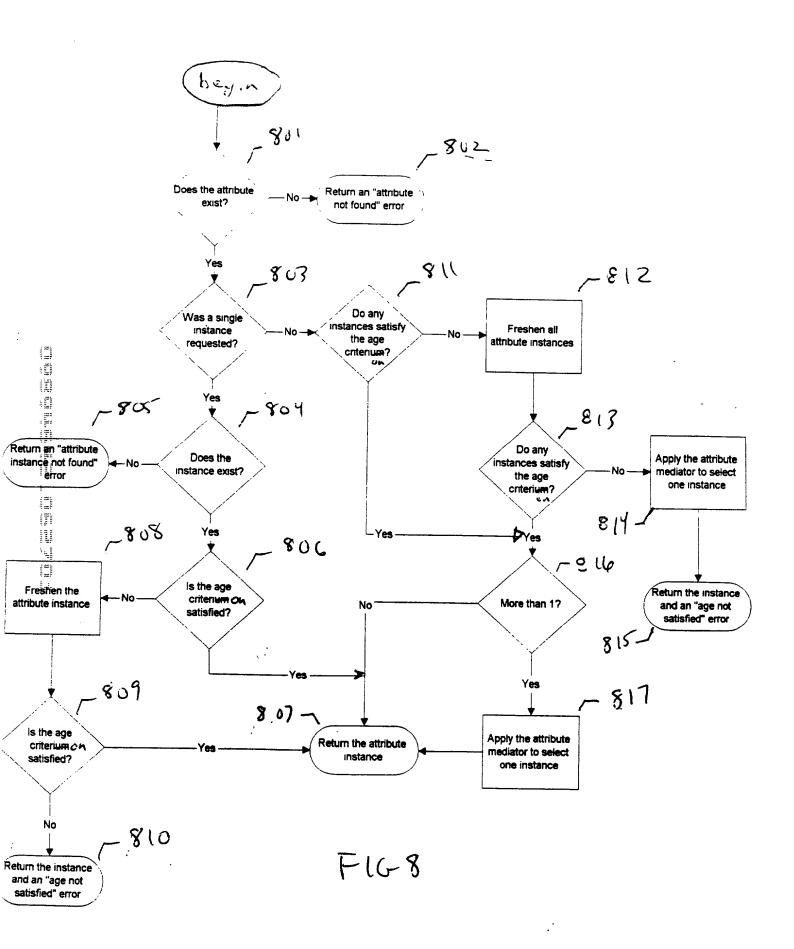
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context server table	request handler	(ce)	(eo)	ce)	5/ <del>Y.</del> ]	attribute instance table	number of	context clients	consuming	2	2	-	0	1217
20		(reference)	(reference)	(reference)	۲ / ۲	attril	units			degrees/minutes	degrees/minutes	meters	none	1216
	filename	gps.exe	ips.exe	l r a.exe	-413		timestamp			13.11.04.023 2/22/2000	13:11:01.118	13:11:01.118 2/22/2000	none	1212
	installation date	2/10/2000	21/2000	2/10/2000	IG 4		uncertainty			.60°,0	0°.021'	S.	none	3 FIG 5
	version		/2	2/	21/15		value			47° 38.73' N, 122° 18.43' W	47° 38.745' N, 122° 18 424' W	22	none	767
		1		alvsis 1	1147		context server	name		gps	sdi	ips	location_region_	1, 6512
	context server name	gns	SOI	location region analysis			attribute name			user.location,	user location	user elevation	user.in_region	ا کا
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context client name	message handler	Andrews and the second
Ol / location map	(reference)	
distance from home	(reference)	
region analysis	(reference)	

attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
70 Juser location	gps	47° 38.73' N, 122° 18.43' W	,60°,0	13:11:04.023 2/22/2000	degrees/minutes	2
702 Juser location	ips	47° 38.745' N, 122° 18.424' W	0°.021'	13:11:01.118 2/22/2000	degrees/minutes	2
user elevation	sdi	22	<b>S</b> .	13:11:01.118 2/22/2000	meters	
user in region	location_region_ analysis	none	none	none	none	



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attribute name	context server	value	uncertainty	timestamp	units	numper of
	name			,		context clients
		-				consuming
user location	gps	47° 38.73' N,	.60°.09	13:11:04.023	degrees/minutes	2
	<b>.</b>	122° 18.43' W		2/22/2000		
user location	ips	47° 38.745' N,	0°.021'	13:11:01.118	degrees/minutes	2
	•	122° 18.424' W		2/22/2000	-	
user elevation	ips	22.25	.5	13:11:06.565	meters	
	•			2/22/2000		
nser in region	region analysis	none	none	none	none	1

condition name context client name first logical second logical comparison value logical operator parameter parameter parameter loop in region true region analysis user in region   none   TRUE							condition table
region analysis user in region none TRUE = 10(1		condition name	context client name	first logical	second logical	comparison value	logical operator
region analysis user in region none   TRUE  =				parameter	parameter		
- 10(1 LIDIZ LIDIZ LIDIA LIDIS	1001	in region true	region analysis			TRUE	11
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condition context client condition behavior name name region bounda region analysi in region true FALSE ry crossed s
context client name region_analysi in s

							conditic	condition monitor table	2 12co
						gondition last	trioger handler	stopped	
	condition	context client	3	behavior	frequency	evaluated	reference		
	monitor name	name	name					VPS	
	region bounda	region_analysi	region bounda region analysi in region true TRUE or	TRUE or	30	2/22/2000	(Telefellice)	) co	-
100	nol - ry crossed	S		rALSE				217 11218	∾
	1771		V1212 V1213		FIG 12	)   7   _ 5			*

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attribute request table

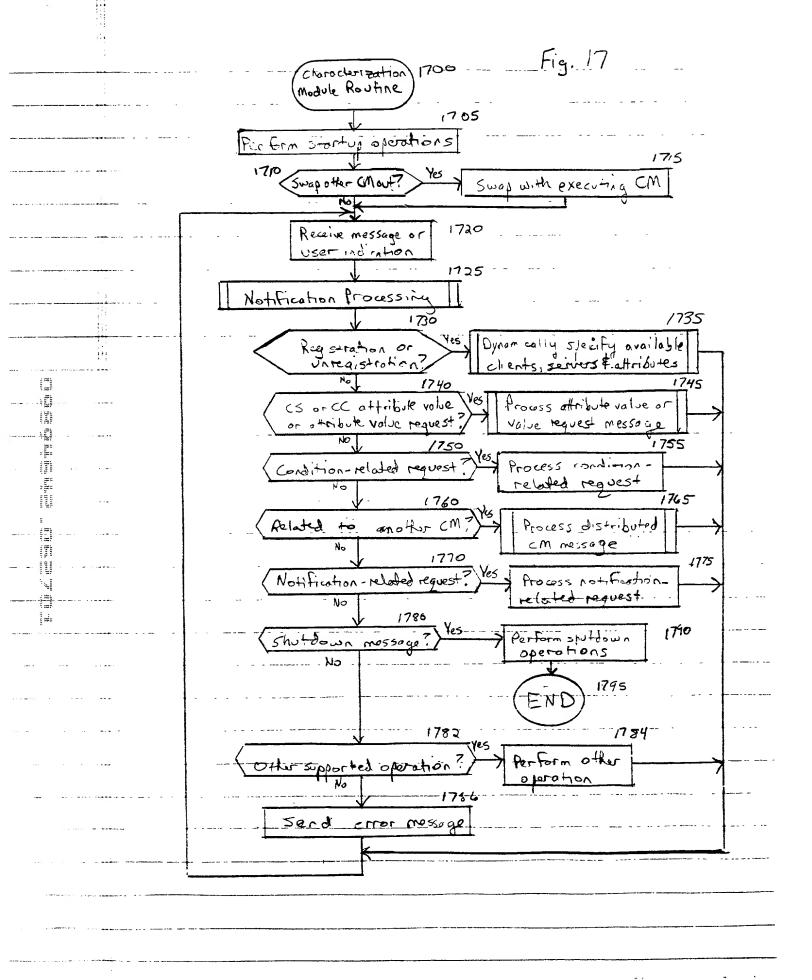
attribute name	context client name
user.location	distance_from_home
user.in_region	location_map
user.location [gps]	location_region_analysis
user.elevation	location_map
	2,,,,
- 1411	Figure 14 /4/2

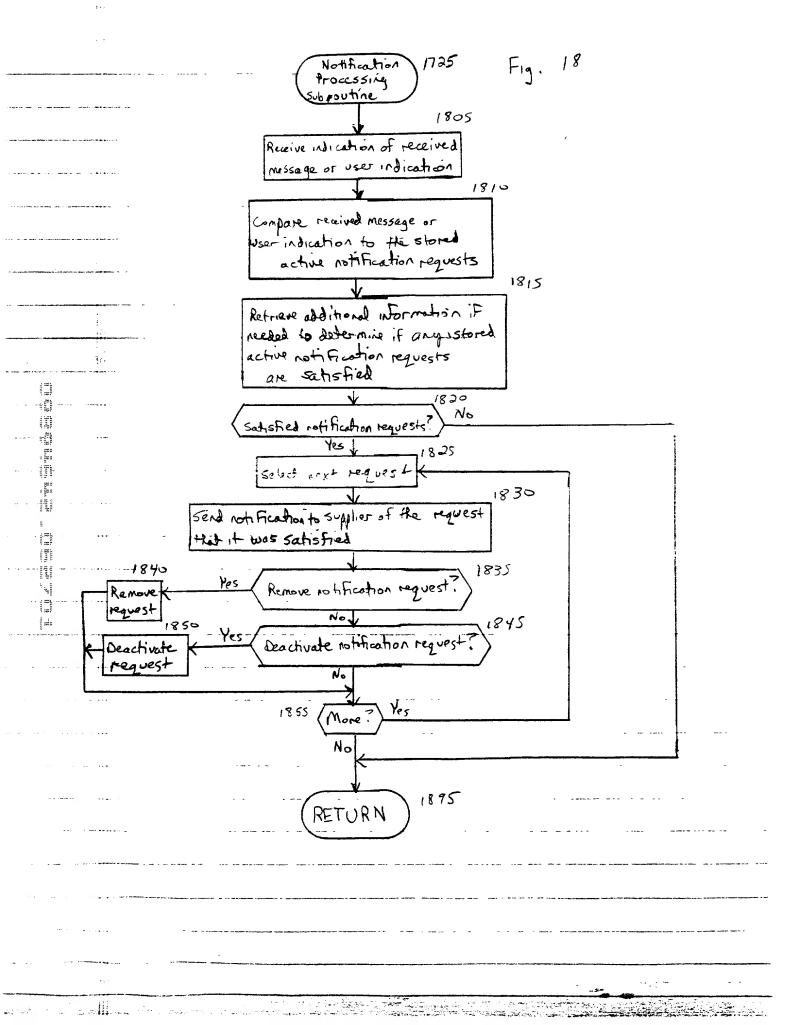
User.	Platform. (continued)
Desired privacy level	CPU.
Interruptibility	Load Fig. 15
Speed	Speed /
Direction	Memory.
Acceleration	Total_capacity
Availability.	Used
Cognitive availability	Storage.
Tactile_availability	Total_capacity
Manual availability	Used
Visual availability	Connectivity.
Oral_availability	Connection status
Auditory_availability	Connection_speed
Proximity. <a href="mailto:reg">Proximity.<a href="mailto:reg">Item or place name&gt;</a></a>	Connection_type/device
Mood.	Connection activity
	Power.
Happiness Sadness	Power source
	Power level
Anger	Environment.
Frustration	
Confusion	People.
Activity.	Nearest
Driving	Number_present
Eating	Number_close
Running	Local.
Sleeping	Time
Talking	Date
Typing	Temperature
Walking	Pressure
Location.	Wind_speed
Place_name	Wind_direction
Latitude	Absolute_humidity
Longitude	High_forecast_temperature
Altitude	Low_forecast_temperature
Room	People_present
Floor	Ambient_noise_level
Building	Ambient_light_level
Address	Days. <pre>previous or future&gt;.</pre>
Street	High_temperature
City	Low_temperature
County	Precipitation_type
State	Precipitation_amount
Country	Place. <place name="">. (same as Environment.Local)</place>
Postal Code	Application.
Destination. (same as User.Location.)	Mail.
Physiology.	Available
Pulse	New messages waiting
Body_temperature	Messages waiting to be sent
Blood_pressure	Phone.
Respiration	Available
Person. <name id="" or="">. (same as User.)</name>	In_use
Platform.	On/off
UI.	Notification mechanism
Oral_input_device_availability	Call_incoming
Manual_input_device_availability	Caller_ID
Tactile_output_device_availability	Sound recorder.
Visual output_device_availability	Available
Auditory output device availability	Recording

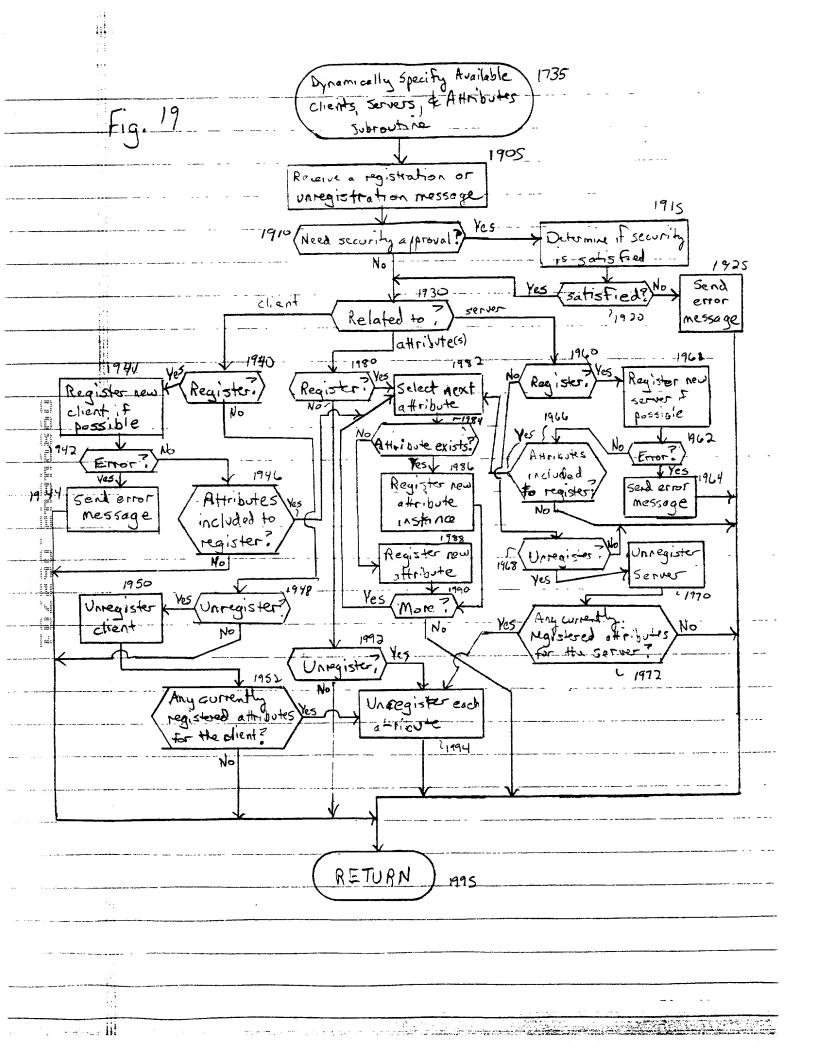
- 1) User Setting
  - a) Mental Context
    - i) Meaning
    - ii) Cognition
      - (1) Divided User Attention
      - (2) Task Switching
      - (3) Background Awareness
    - iii) Solitude
    - iv) Privacy
      - (1) Desired Privacy
      - (2) Perceived Privacy
    - v) Social Context
    - vi) Affect
  - b) Physical Situation
    - i) Body
      - (1) Biometrics
      - (2) Posture
      - (3) Motion
      - (4) Physical Encumberment
        - (a) Senses
          - (i) Eyes
          - (ii) Ears
          - (iii) Tactile
          - (iv) Hands
          - (v) Nose
          - (vi) Tongue
        - (b) Workload demands/effects
        - (c) Interaction with computer devices
        - (d) Interaction with people
        - (e) Physical Health
    - ii) Environment
      - (1) Time/Space
      - (2) Objects
      - (3) Persons
        - (a) Audience/Privacy Availability
          - (i) Scope of Disclosure
          - (ii) Hardware affinity for privacy
          - (iii) Privacy Indicator for User
          - (iv) Privacy Indicator for Public
          - (v) Watching Indicator
          - (vi) Being Observed Indicator
      - (4) Ambient Interference
        - (a) Visual
        - (b) Audio
        - (c) Tactile

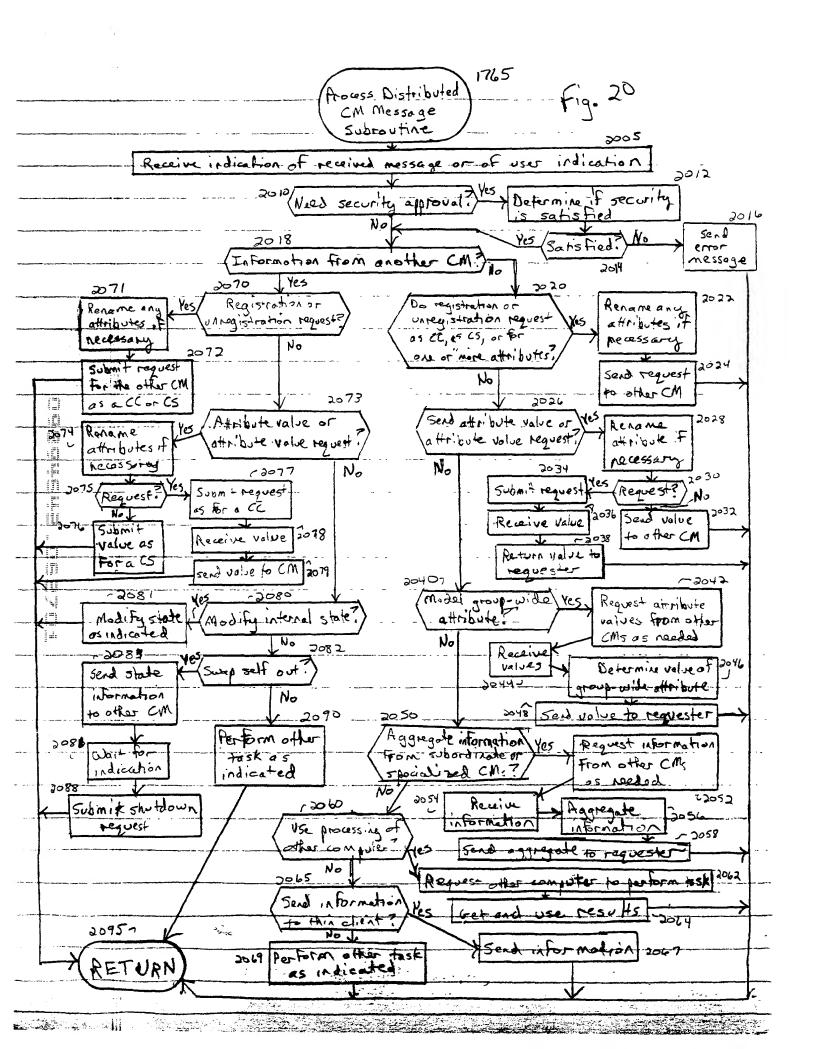
- 2) Computer
  - a) Power
  - b) Configuration
    - i) User Input Systems
      - (1) Hand/Haptic
        - (a) Keyboard/Keystrokes
      - (2) Voice/Audio
      - (3) Eye Tracking
      - (4) Cursors
        - (a) Axis
        - (b) Resolution
          - (i) Selection
          - (ii) Invocation
        - (c) Accelerators
    - ii) Output Systems
      - (1) Visual
        - (a) Resolution
      - (2) Audio
        - (a) Public/Private
      - (3) Haptic
    - iii) External Resources
      - (1) I/O devices
      - (2) Connectivity
  - c) Data
    - i) Quantity/State
    - ii) Urgency/Importance
      - (1) Use of Prominence
    - iii) Modality
    - iv) Sensitivity/Purpose
      - (1) Privacy Issues
      - (2) Use of Association
      - (3) Use of Safety
    - v) Source/Ownership
      - (1) Types
        - (a) User generated
        - (b) Other computers or people
        - (c) Sensor
        - (d) PC State
      - (2) Use of Association

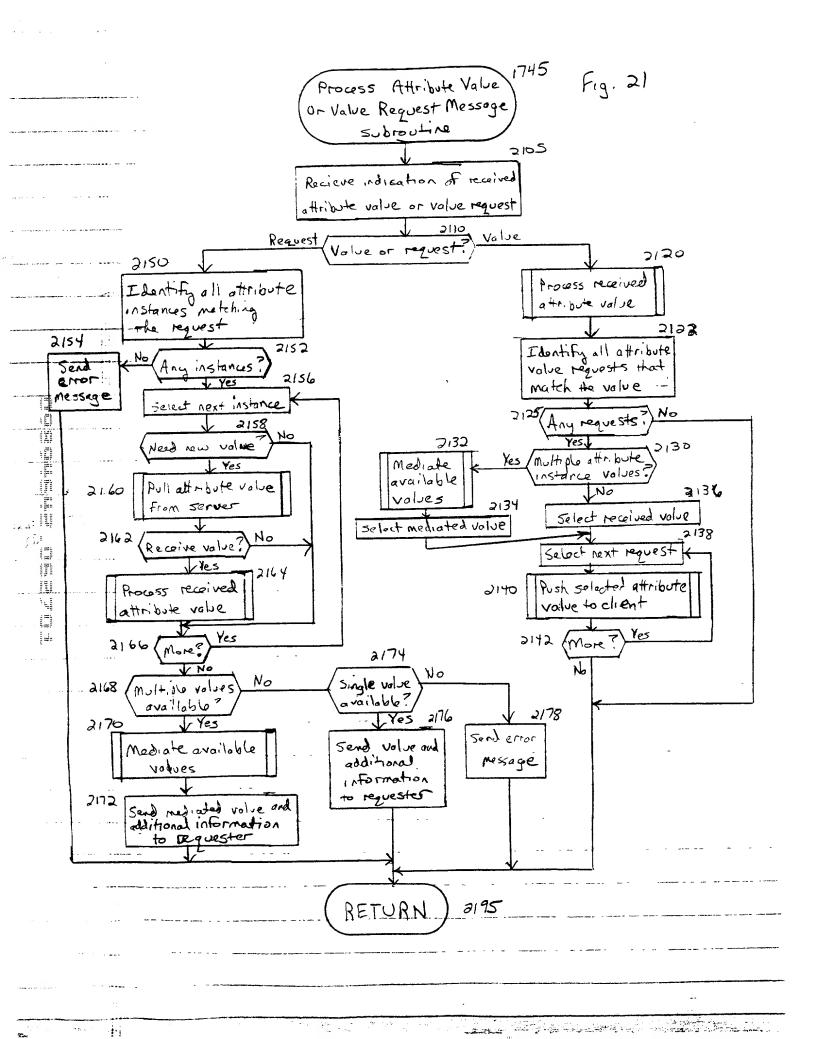
Fig. 16

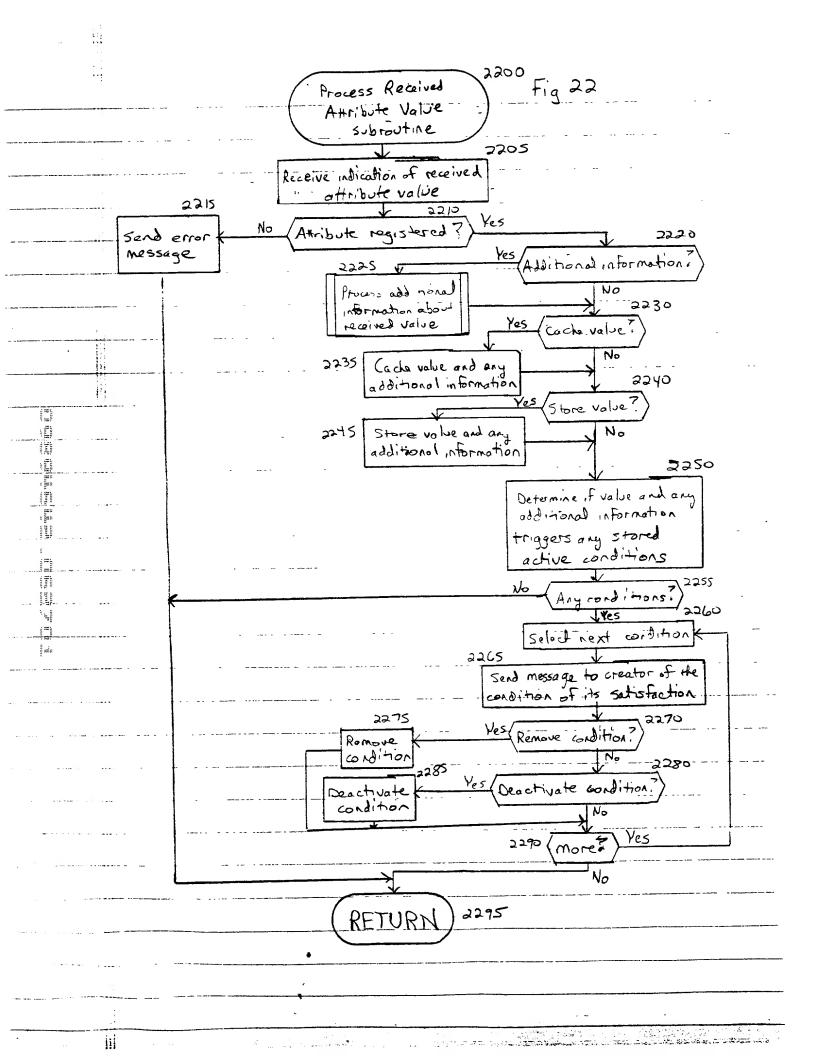


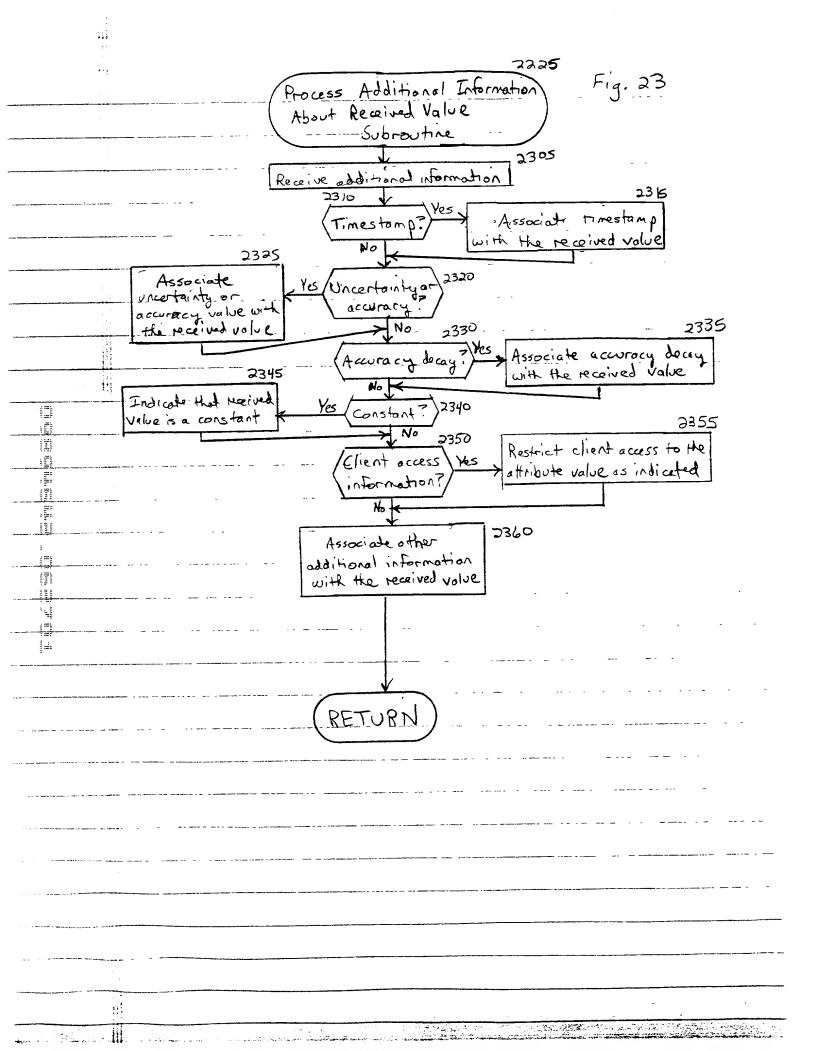


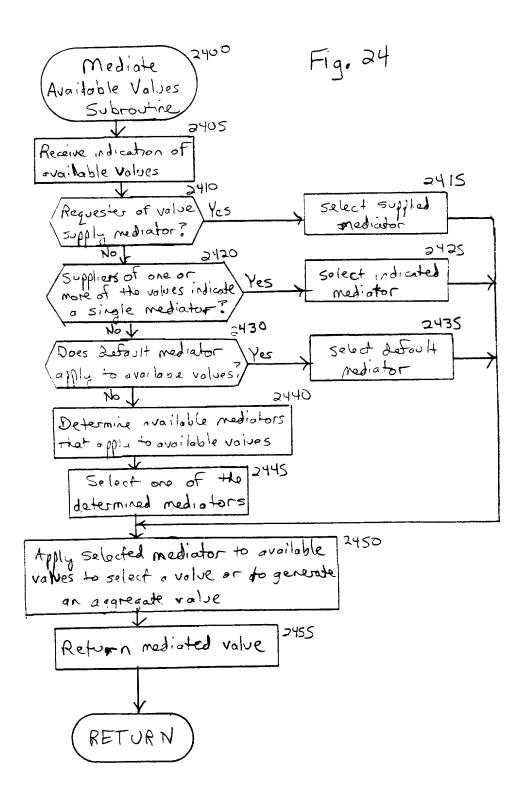












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